Adrian Leal

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EDUCATION

Bachelor of Science, Computer Science   Expected May 2021
  College of Science and Engineering, University of Minnesota – Twin Cities   Minneapolis, MN
  GPA: 3.33

Bachelor of Science, International Business & Business Management   May 2019
  University of Wisconsin – Superior   Superior, WI
  GPA: 3.8, Dean's List 7 Semesters

Relevant Courses

Intr. to Operating System, Artificial Intelligence II, Intr. to Machine Learning, Algorithms and Data Structures, Linear Algebra, Embedded Systems Design, Software Engineering I, Computer Vision, Program Design and Development

PROJECTS

Trackside Ops Data Log, Club Project   Present
  - Program and design the site for Trackside Ops where FSAE team members can log test data
  - Implement a Postgres database for users, data entry, and data modification
  - This new application helps to keep data organized and accessible to every sub team

Realtor Site, Independent Project   August 2020
  - Built a personal site for a real estate agent using the Django framework
  - Added the functionally for the realtor to add listings, relevant news, and get contacted by users
  - Hosted the site on Heroku with a Postgres database and the media files are stored using AWS' S3 buckets

React Site, Independent Project   July 2020
  - Created a fictional site for a luxury apartment group using the Reach framework
  - Gained valuable experience with the React framework, JavaScript, HTML, and CSS for future projects

Solar Tracker, Embedded Systems Design   May 2019
  - Programmed a microcontroller using C that follows the more intense source of light
  - Used four sensors to compare voltage readings and determine if a movement is needed

SKILLS

Languages: Python, Java, C/C++/C#, JavaScript, Swift
Software and Frameworks: React, Django, TensorFlow, Keras, Unity, Android Studio
Development Environments: Linux, Windows, MacOS
Foreign Language: Fluent in Spanish

EXPERIENCE

Mu2e Student Researcher, UMN – Twin Cities   July 2020 – Present
  - Work on the development of the GUI for data collection and production tracking using Python and SQL
  - Actively improve and troubleshoot software while implementing new features as requested by the researchers
  - Restructure of the project structure by using industry standards to facilitate future implementations

Student Tech Support Services, UMN – Twin Cities   September 2019 – July 2020
  - Applied troubleshooting techniques to software and hardware issues and improved labs over time

Student Lab Assistant, UW – Superior   January 2018 – July 2019
  - Monitored usage of computer labs, installed and removed equipment

Development Specialist Intern, Duluth YMCA – Duluth, MN   May 2017 – August 2017
  - Provided customer service to donors via email, letter, or phone calls and planned the YMCA annual event

Summer Undergraduate Fellowship Research   May 2017 – August 2017
  - Conducted a research project about sustainable business practices that would benefit the economy of the area
  - Presented at the National Conference of Undergraduate Research at the UCO, Oklahoma in April 2018

ACTIVITIES

Member, FSAE Gopher Motorsports. DevOps Team Member   Present
Member, Self-Driving Car Club   Present
Captain, UW – Superior Men's Soccer Team   Fall 2015 – Fall 2018